Appendix F.

Examples of GUIs

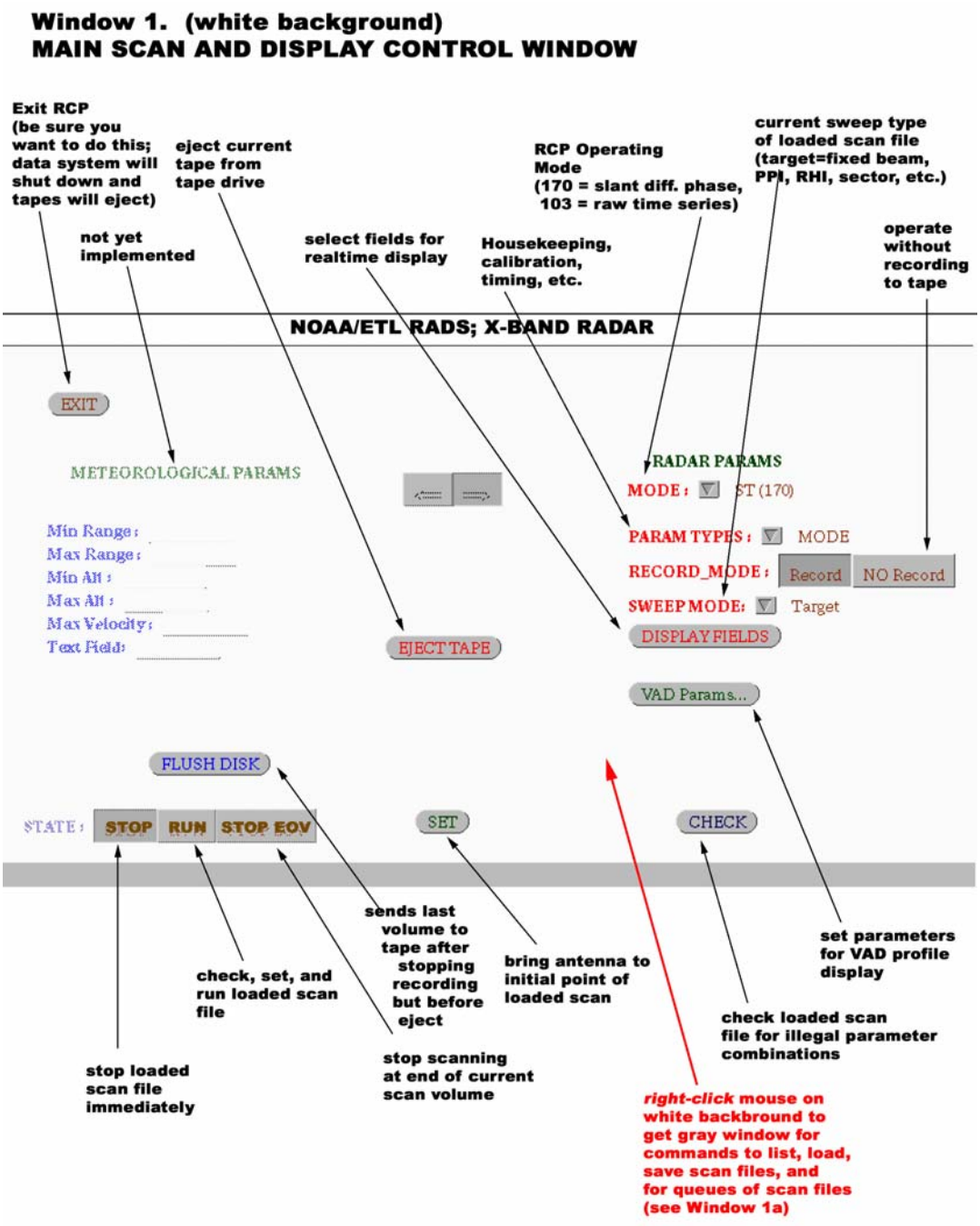

Figure 1. RADS Control GUI or base window; it appears when RADS is initialized. Among other things, it allows users to start and stop a scan, start a queue, change radar parameters and build and view scan tables and queues.

Figure 2. Typical RADS status window, owned by the base window, displays whether a continuous scan is running or a queue, which scan table it is running and when applicable, which queue. It also displays whether RADS is in record mode or not and the tape number.

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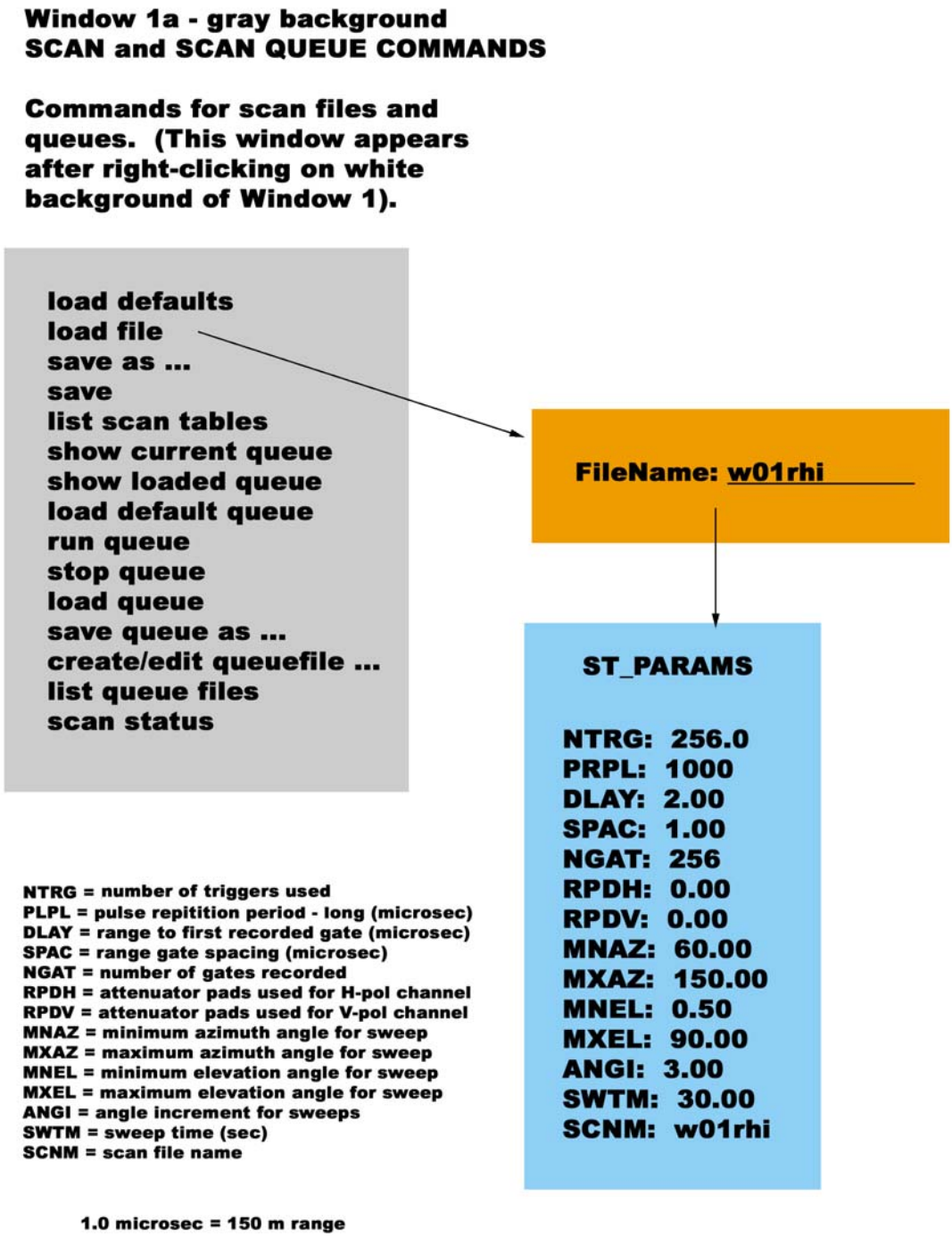

Figure 3. Pulldown menu for loading, editing and viewing scan tables and scan queues. The popup window on the top right appears when the user selects “load file” and queries the user for a scan table name. Once a name is input, the popup window on the bottom right appears displaying the most commonly changed operator enabled radar parameters. This window is mode dependent.

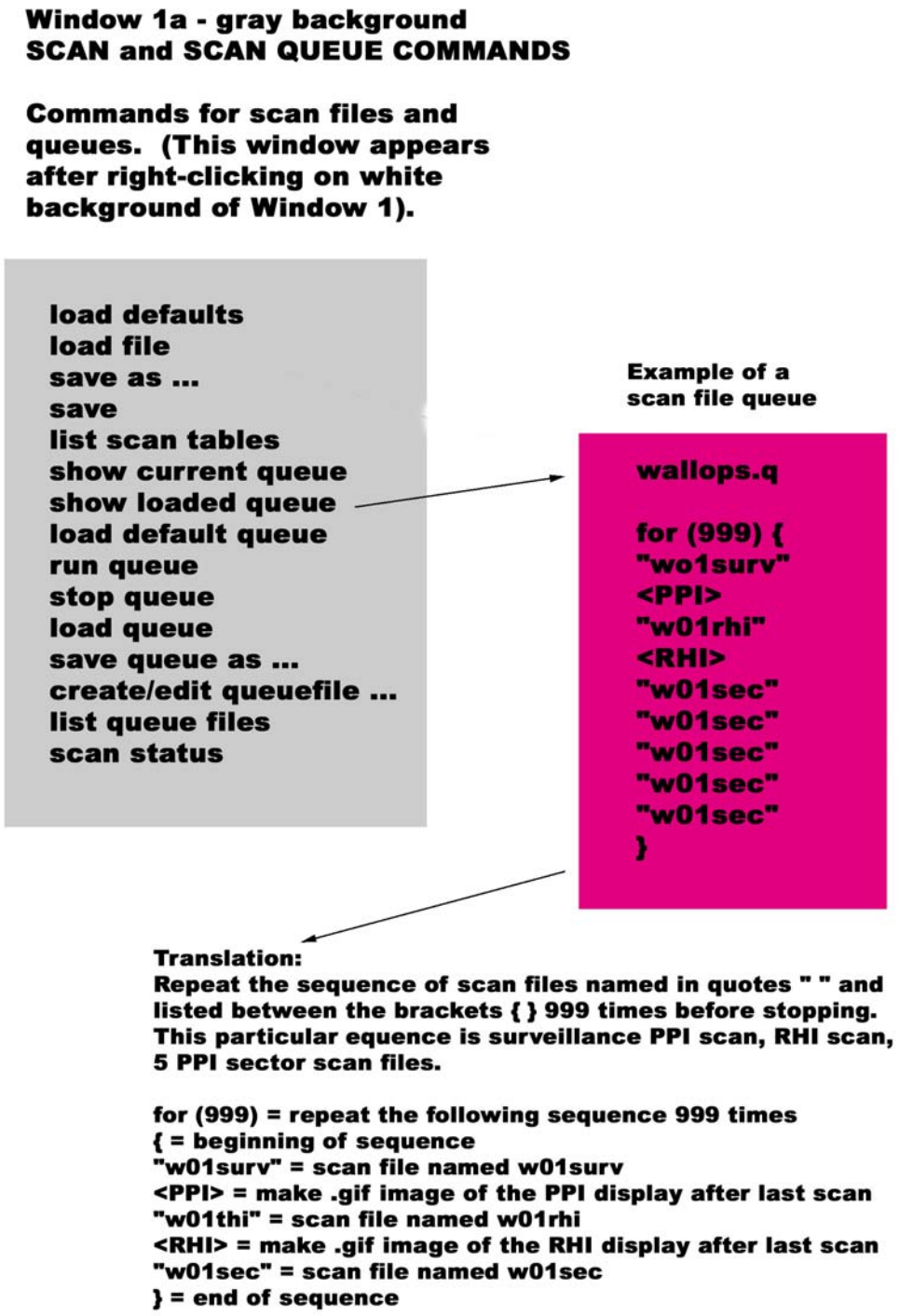

Figure 4. RADS Pulldown menu for loading, editing and viewing scan tables and scan queues. The popup window on the right shows the loaded queue.

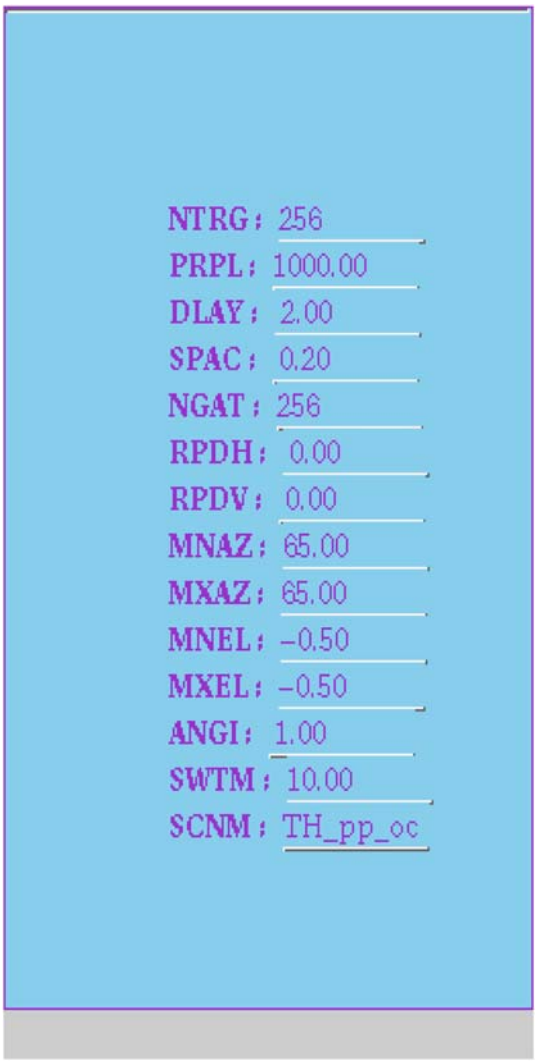

Figure 5. Typical RADS Mode Parameter Window, displaying the most common radar parameters which are operator enabled. Since these are mode dependent they will vary.

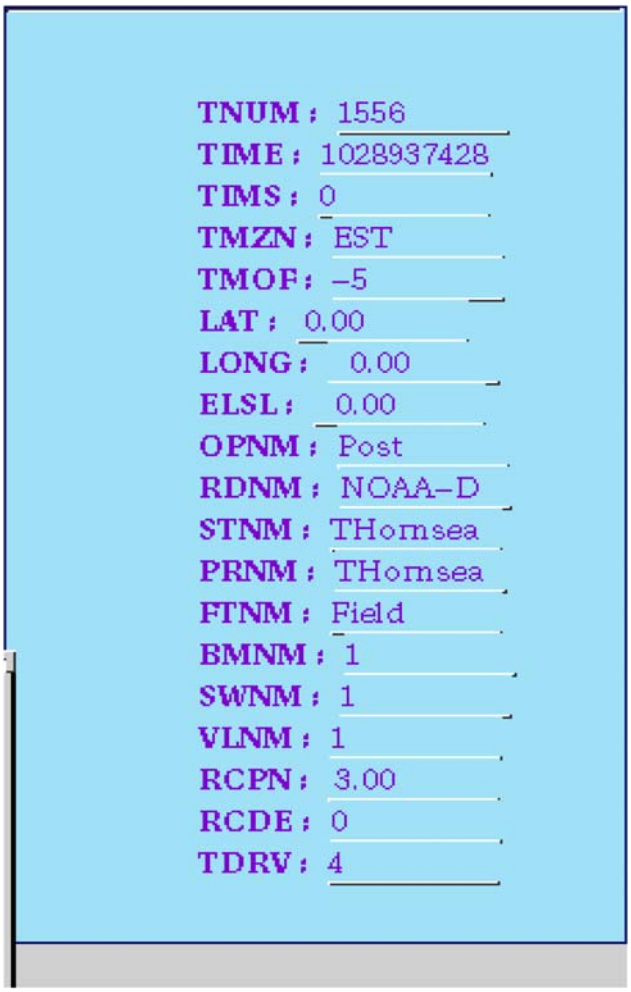

Figure 6. Typical RADS Housekeeping Parameter Window. This window displays the housekeeping parameters corresponding to the loaded scan table. This is one of the 12 popup parameter type windows which can be displayed by selecting the "Param Type" button on the base window and the desired type of parameter from the drop down menu.

Figure 7. Typical Display Fields Window allows the user to select which fields will be sent to the graphics program x-display for viewing. The selections available in this window are mode dependent and only twelve may be selected at any one time.

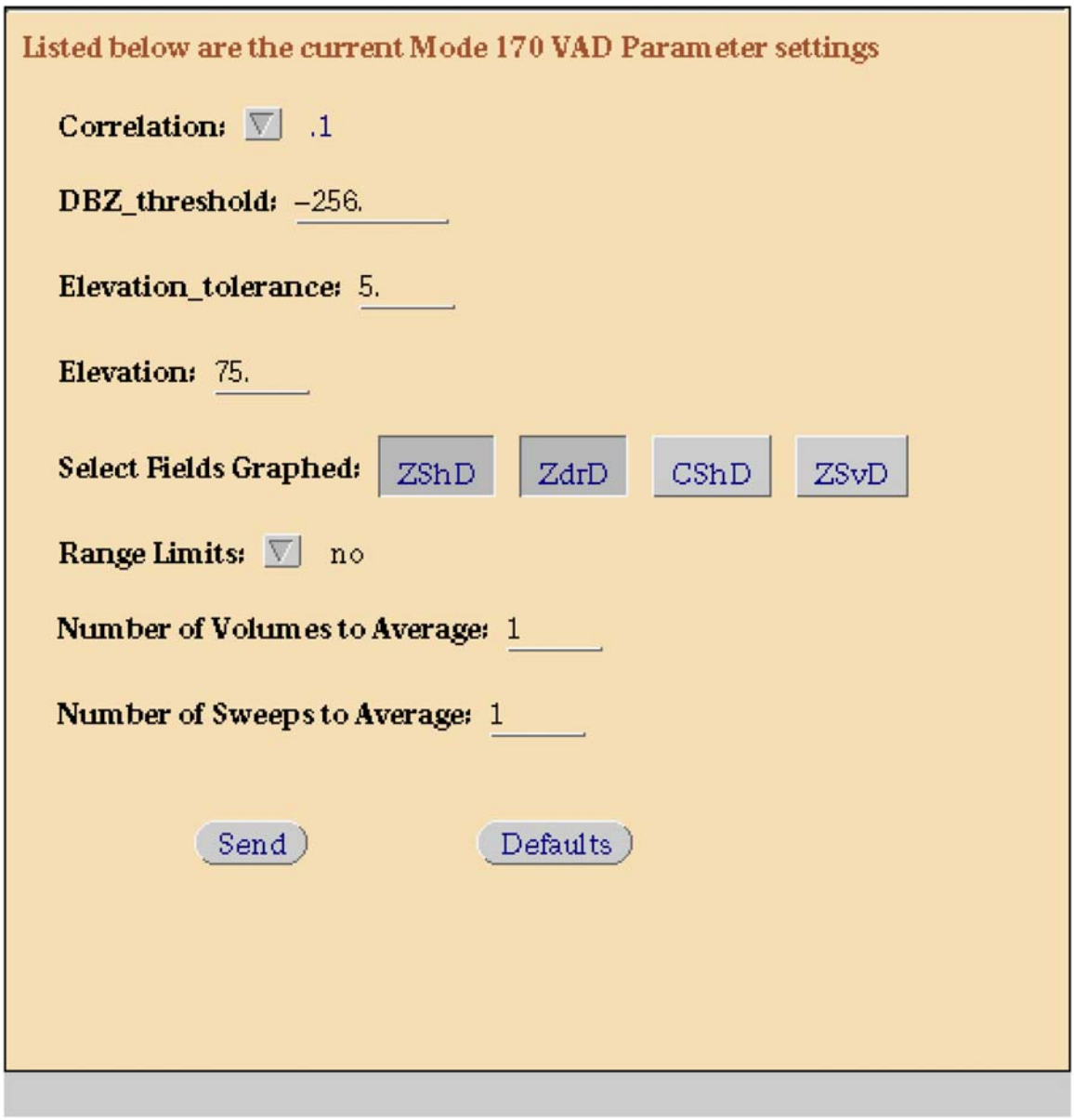

Figure 8. RADS VAD Parameter Settings Window allows the operator to change VAD profile display parameters such as which of the optional fields to display, the correlation threshold, desired elevation angle and tolerance angle.

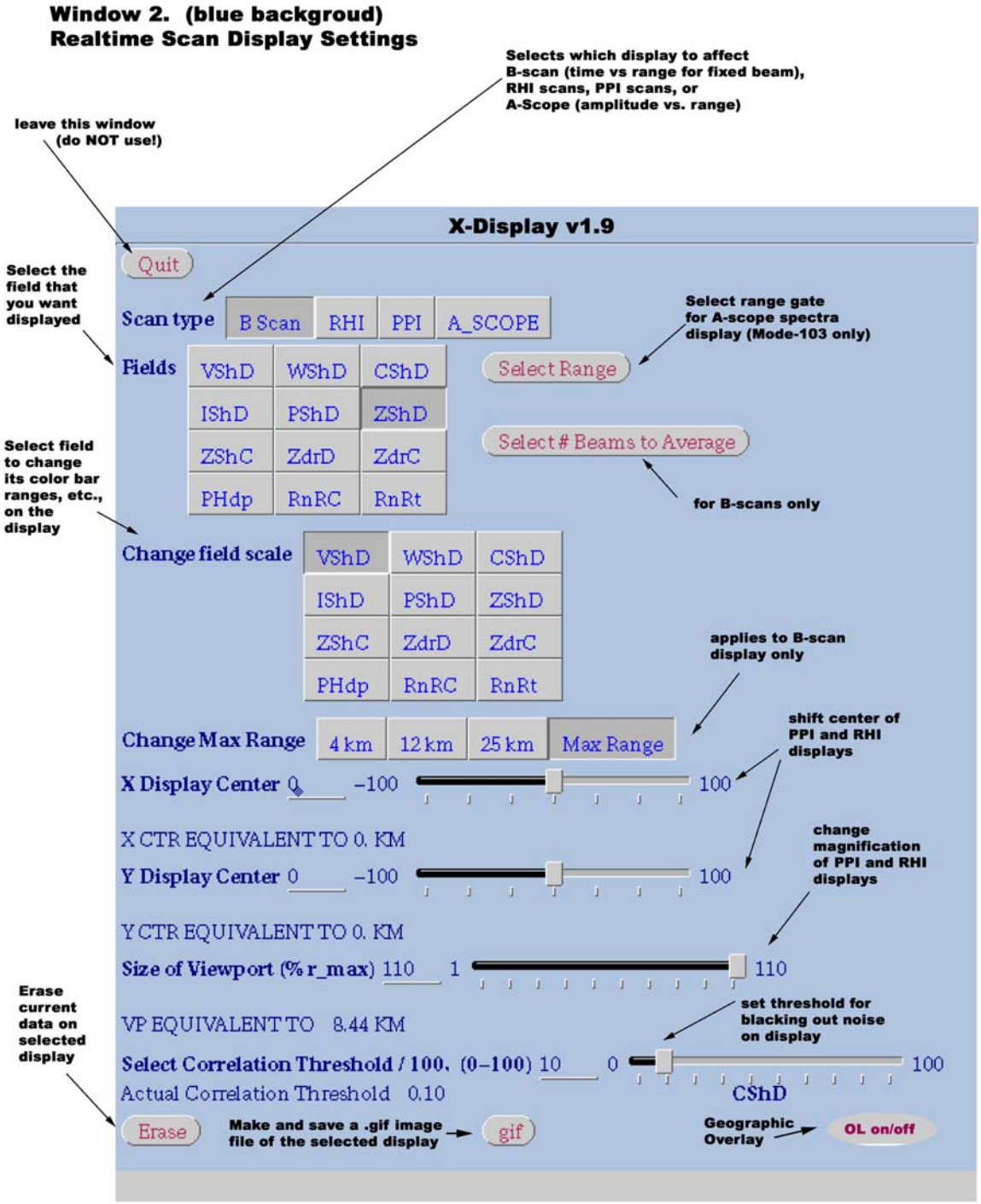

Figure 9. RADS x_display Control GUI allows the user to change the existing graphical displays. It allows the operator to select which field to display, pan, zoom, scale and threshold. It also allows the operator to gif images, input the number of average beams in the B-scan mode and erase selected images.